

Enhanced Alignment Engine

new

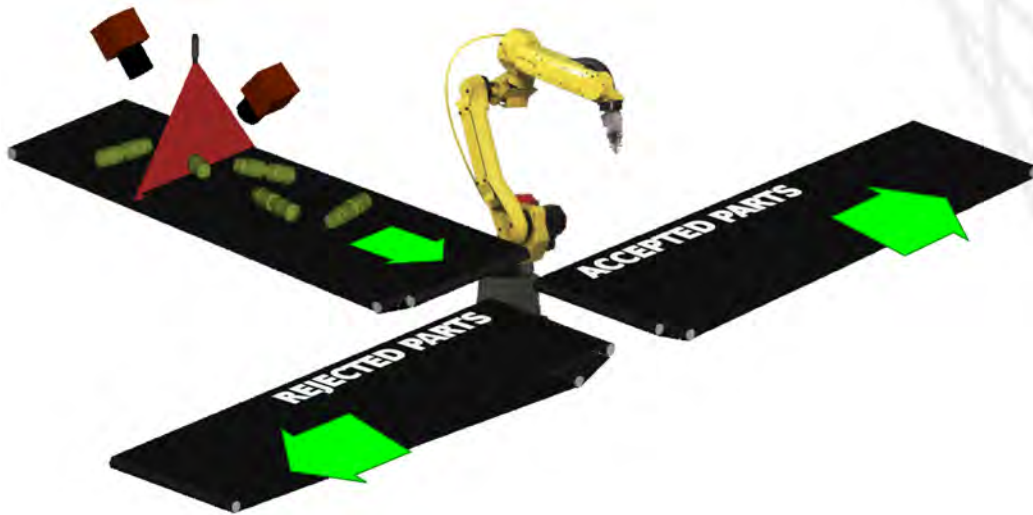
SAL3D

Shape Analysis Library

The new **SAL3D** uses a new alignment technology to overcome current Match3D initial misalignment limitations. **Match3D** is AQSENSE's extremely fast and accurate software tool CoP alignment and comparison, solving applications such as 3D dimensional and surface inspection of randomly distributed parts on a conveyor belt.

Features

- Alignment quality factor (to quickly identify bad alignments)
- Improved alignment accuracy
- Automatic prealignment
- Manual prealignment available
- Alignment error < 1 micron
- Alignment time ~ 300ms



Parts evolve randomly on the input conveyor, they are scanned, and 3D inspected with **Match3D**. Using the alignment information, a robot can pick all parts and place them on the corresponding conveyor, according to the inspection output.

Before Alignment



After Alignment

